

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

890307 OA per BLM

DATE FILED 2-02-89

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. U-9617

INDIAN

DRILLING APPROVED: 2-23-89 (EXCEPTION LOCATION)

SPUDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED

OA 3-07-89
FIELD: NATURAL BUTTES

UNIT:

COUNTY:

UINTAH

WELL NO.

GLEN BENCH 21-30

API NO. 43-047-31860

LOCATION

376' FNL

FT. FROM (N) (S) LINE.

2011' FWL

FT. FROM (E) (W) LINE.

NENW

1/4 - 1/4 SEC.

30

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

8S

22E

30

NGC OF CALIFORNIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

2. NAME OF OPERATOR

Natural Gas Corporation of California

3. ADDRESS OF OPERATOR

85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

2011' FWL, 376' FNL NE/NW

At proposed prod. zone

DIVISION OF
OIL, GAS & MINING

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

1785

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

Green River 4930'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4760' GR

22. APPROX. DATE WORK WILL START*

February, 1989

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36	300'	To Surface
7-7/8"	5-1/2"	15.5	T.D.	As required

Attachments: Drilling Program
Surface Use Plan
Survey Plat
Cut and Fill Diagram
Topographic Maps
Well Location Map

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

801-789-4573

SIGNED

Mike McMican
Michael L. McMican

TITLE

Petroleum Engineer

DATE

Jan. 30, 1989

(This space for Federal or State office use)

PERMIT NO.

43-047-31860

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL & GAS MINING

APPROVED BY

TITLE

DATE

2-23-89

BY

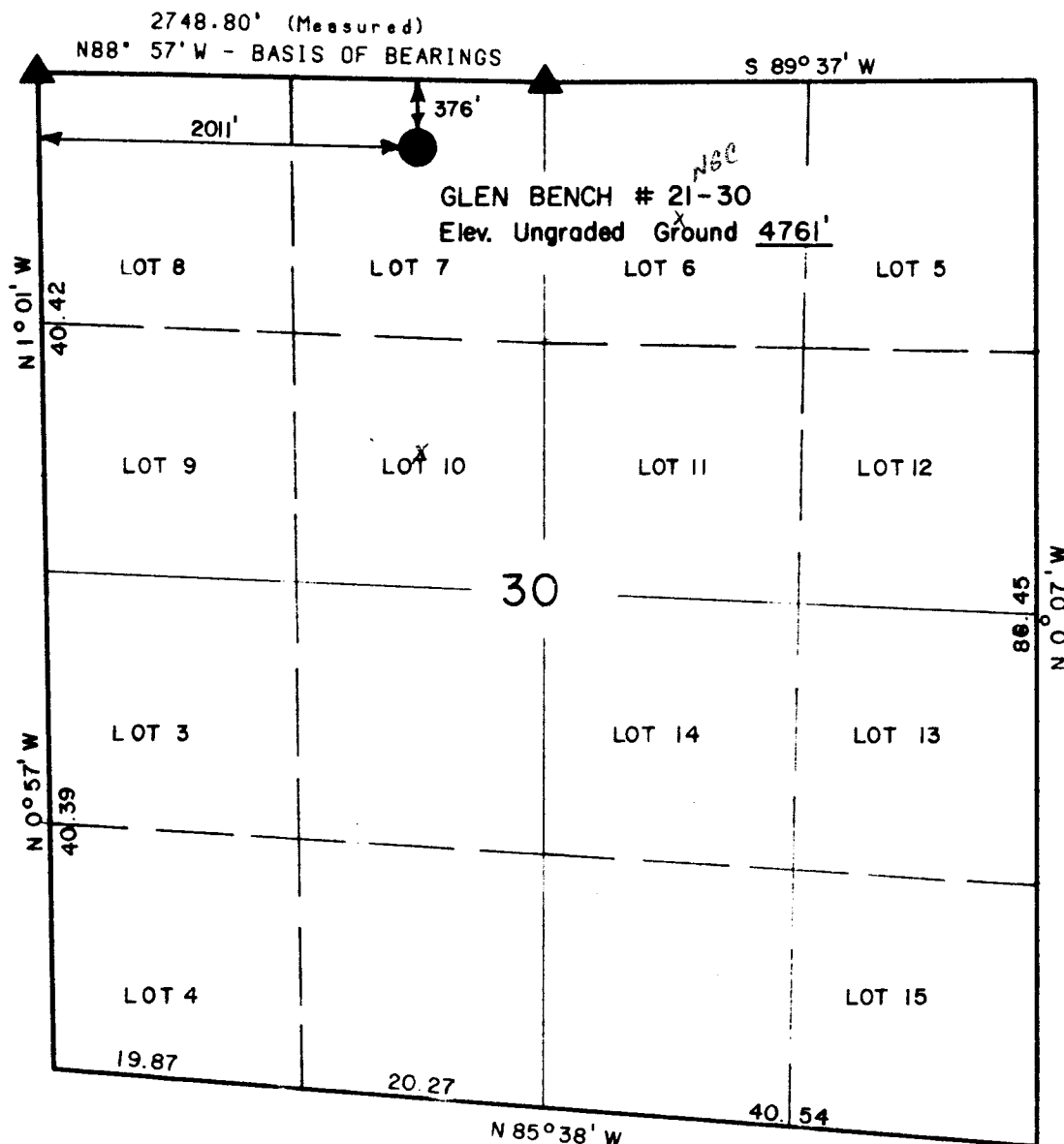
John K. Baye

WELL NO.

RB15-3-3

*See Instructions On Reverse Side

T8S, R22E, S.L.B.&M.



▲ = Section Corners Located

PROJECT

NGC ENERGY COMPANY

Well location, GLEN BENCH
#21-30, located as shown in the
NE1/4 NW1/4 of Section 30, T8S,
R22E, S.L.B.&M. Uintah County,
Utah.

BASIS OF ELEVATION

SPOT ELEVATION IN THE NW CORNER SECTION 30,
T8S, R22E, S.L.B. & M. TAKEN FROM THE REDWASH SW
QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE
QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED
STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL
SURVEY. SAID ELEVATION IS MARKED AS BEING
4756 FEET



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF

[Signature]

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 9-10-88
PARTY G.S. C.M. J.T.K.	REFERENCES GLO
WEATHER HOT	FILE NGC ENERGY COMPANY

DRILLING PROGRAM

Company Natural Gas Corporation of California Well No. Glen Bench 21-30

Location Section 30 T. 8S R. 22E Lease No. U-9617

Onsite Inspection Date 9/13/88

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Surface Formation and Estimated Formation Tops:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Uintah	Surface	+4760'
Green River	2270'	+2505'
Douglas Creek Marker	3945'	+ 830'
TD	4930'	- 155'

2. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered:

	<u>Formation</u>	<u>Zone</u>
Expected oil zones:	Green River	3375' - 4750'
Expected gas zones:	Green River	3375' - 3400'
Expected water zones:	Green River	3375' - 3400'
Expected mineral zones:	Oil Shale	Top @ 2270'

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

A 3000 WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the surface casing. The BOP system including the casing will be pressure tested to a minimum of 2500 psi for 15 minutes prior to drilling and will be mechanically checked daily during drilling operations.

BOPE and testing procedures will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned.

Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

4. Casing Program and Auxiliary Equipment:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt/Ft</u>	<u>Grade</u>	<u>Threads</u>	<u>New/Used</u>	<u>Depth</u>
12-1/4"	9-5/8"	36#	K-55	STC	New	300'
7-7/8"	5-1/2"	15.5#	K-55	LTC	New	TD

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

Auxiliary equipment will be upper kelly cock, full opening stabbing valve, 2½" choke manifold, and pit level indicator.

5. Mud Program and Circulating Medium:

<u>Interval</u>	<u>Mud Weight</u> <u>lbs./gal.</u>	<u>Viscosity</u> <u>Sec./Qt.</u>	<u>Fluid Loss</u> <u>ML/30 mins.</u>	<u>Mud Type</u>
0' - 300'	---	---	---	Air
300' - TD	8.4	27	NC	Water

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

6. Testing, Coring, Sampling and Logging:

- a. Testing: As warranted.
- b. Coring: None.
- c. Sampling: 10' intervals 3000' to TD.
- d. Logging:

<u>Type</u>	<u>Depth</u>
DIL/SFL/SP/GR	TD - Surface casing
FDC/CNL/GR/CAL	TD - Surface casing

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

Normal pressures and temperatures are expected. No hazardous gases are expected. Expected bottom hole pressure is 2150 psig.

8. Anticipated Starting Dates and Notifications of Operations:

Location construction: February, 1989
Spud Date: February, 1989

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, UT 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into the reserve pit for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, gas may be vented/flared during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever comes first. An application will be filed with the District Engineer, and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

9. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed".

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

If operator fails to comply with this requirement in the manner and time allowed, operator shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days (Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii)).

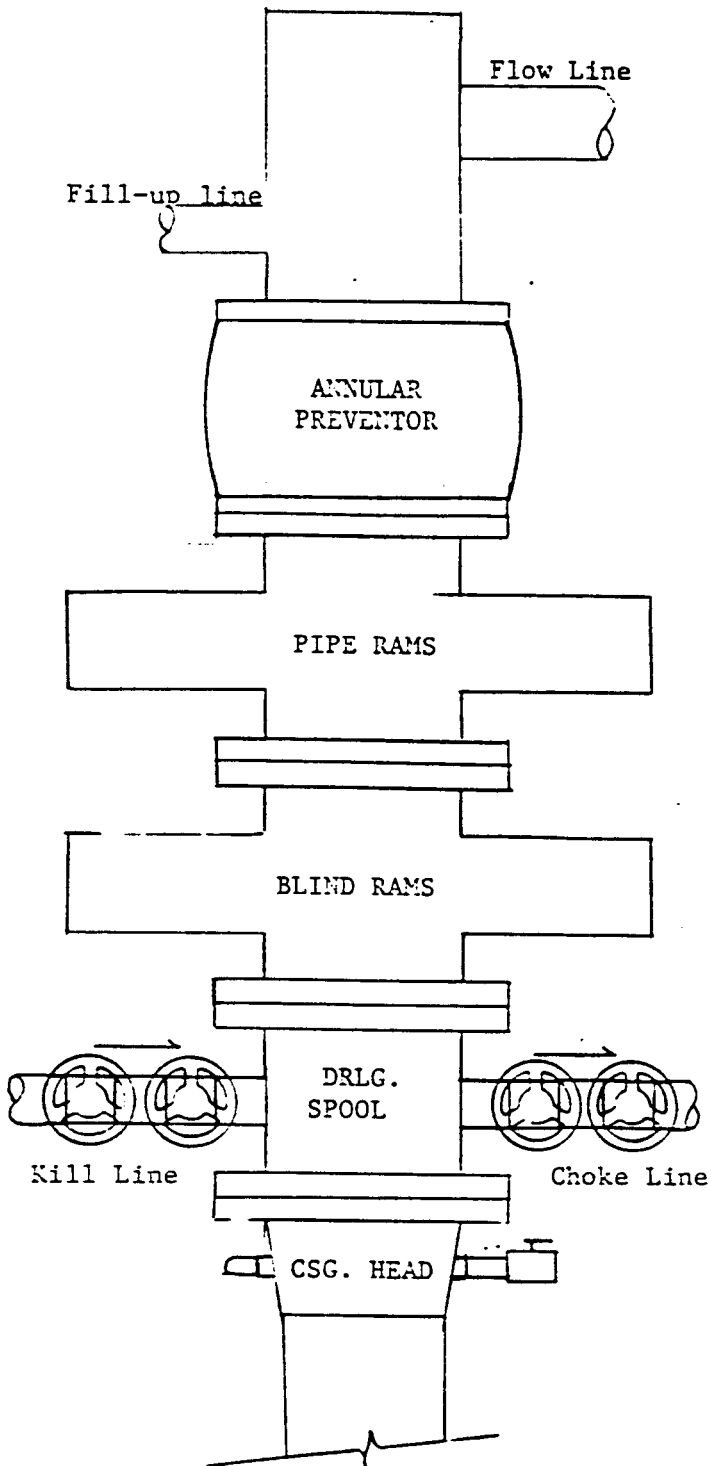
NGC ENERGY COMPANY

BOP and Pressure Containment Data

Glen Bench 21-30

NE/NW Sec. 30, T8S, R22E

Uintah County, Utah



1. BOP equip shall consist of a double gate, hydraulically operated preventer with pipe & blind rams or two single ram type preventors, one equipped w/pipe rams, the other w/blind rams. BOP system will be consistent w/API RP 53.
2. BOP's are to be well braced w/ hand controls extended clear of substructure.
3. Accumulator to provide closing pressure in excess of that required w/sufficient volume to operate all components.
4. All BOP equipment to be tested to 2500# for 15 minutes. The BOP's will be tested at the time of installation & every 30 days thereafter. BOP's to be mechanically checked daily.
5. Modification of hook-up or testing procedure must be approved in writing on tour reports by wellsite representative.

Surface Use Plan

Natural Gas Corporation of California

Glen Bench #21-30

Sec. 30, T8S, R22E, S.L.B. & M.

Uintah County, Utah

Onsite Date

9-13-88

SURFACE USE PLAN - #21-30

1. Existing Roads:

See attached topographic map "A".

To reach the Glen Bench #21-30 located in Section 30, T8S, R22E, S.L.B. & M., Uintah County, Utah:

Travel west from Vernal, UT on Highway 40 for 15 miles to Ouray turnoff. Go south on Highway 88 for 18 miles to Ouray. Continue south across Green River bridge and take first left. Proceed east for 10 miles then turn left and go north for about 2.5 miles to the location.

2. Planned Access Road:

See attached topographic map "B".

The proposed access road will be constructed to the following standards:

- A. Length - 0.03 mile.
- B. Width - 30 foot right-of-way with 18 foot running surface maximum.
- C. Maximum grades - 1%.
- D. Turnouts - None.
- E. Drainage design - Borrow ditches.
- F. Location and size of culverts and/or bridges, and brief description of any major cuts and fills - None.
- G. Surfacing materials (source) - Native materials from location and access road.
- H. Necessary gates, cattleguards, or fence cuts and/or modification to existing facilities - None.
- I. Access road surface ownership - Ute Tribe.

All travel will be confined to existing access road rights-of way.

Access roads and surface disturbing activities will conform to standards outlined in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development.

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

3. Location of Existing Wells:

See attached Map "C".

4. Location of Tank Batteries and Production Facilities::

All permanent (on site for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a Desert Brown color. All facilities will be painted within six months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is Desert Brown (10YR 6/3).

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery. The integrity of the dike must be maintained.

Tank batteries will be placed on the southeast corner of the well pad.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-leave storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500' of the wellhead. The gas flowline will be buried, or anchored down from the wellhead to the meter and 500' downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. test for meter accuracy will be conducted monthly for the first

three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and AGA standards for natural gas measurement.

5. Location and Type of Water Supply:

Water to be used for drilling and production of this well will be hauled by truck from Ouray.

In the event that the above sources are not used, other arrangements will be made with the proper authorities for an alternate source.

All regulations and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

There will be no water wells drilled at this location site.

The operator will be responsible for acquiring the necessary permit to obtain water to be used for drilling activities.

6. Source of Construction Material:

All construction materials for this location site and access road will be borrow materials, accumulated during construction of the location site. If fill materials are needed to construct roads or well sites, proper permits must be obtained from the Surface Management Agency, unless materials are obtained from a private source.

7. Methods of Handling Waste Disposal:

A reserve pit will be constructed, and will be approximately 8' deep and at least one half of this depth shall be below the surface of the existing ground.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, drilling fluids, and produced fluids, etc.

The reserve pit will be lined with a 10 mil liner. It shall be constructed so as not to leak, break, or allow discharge. If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling the reserve pit.

The operator will provide the BLM a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements prescribed by Part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

Produced waste water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

Pits are not to be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls, unless otherwise herein provided.

Burning will not be allowed. All trash must be contained and disposed of in a trash cage and hauled to a sanitary landfill at the completion of the drilling activities.

8. Ancillary Facilities:

Camp facilities or airstrips will not be required.

9. Well Site Layout:

See cut and fill diagram.

All pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed. Pits will be fenced and maintained until cleanup.

The fence will be constructed as prescribed in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development. Alternatives to the prescribed standards shall be submitted to the AO for approval.

The reserve pit will be located on the southeast side of the location between points A and D. The stockpiled topsoil will be stored on the west side between points six and eight. Access to the well pad will be from the east between points two and three.

The main channel of the drainage north of the location will be diverted so as not to cause erosion into the north side of the location.

10. Plans for Restoration of Surface:

Immediately upon well completion, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed. The reserve pit will be reclaimed within 180 days from the date of well completion.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Seed will be broadcast or drilled at a time specified by the BIA. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage and the seed mixture will be proportionately larger (double the lbs. per acre).

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

All seeding will be done from September 31st until the ground freezes.

An appropriate seed mixture will be determined by the BIA as part of the Conditions of Approval of the APD.

At such time as the well is plugged and abandoned, the operator will submit a surface reclamation plan to the Surface Management Agency for prescribed seed mixtures and reseeding requirements.

If the seeding is unsuccessful, the lessee/operator may be required to make subsequent seedings.

Abandoned wellsites, roads, or other disturbed areas will be restored to near their original condition. This will include insuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

The Operator will control noxious weeds along rights-of-way for roads, pipelines, wellsites, or other applicable facilities.

11. Surface Ownership:

The surface for all constructed roads and well location is under the jurisdiction of the Ute Tribe.

12. Other Information:

The area is at the north end of the Uintah Basin which is formed by the Bookcliff Mountains and the Green River to the south and the Uinta Mountains to the north. The area is interlaced with numerous canyons and ridges formed in sandstone, cobblerock, conglomerate, and shale deposits.

The majority of the small drainages are of a non-perennial nature with normal flow limited to the early spring run-off and heavy thunderstorms or rain storms of high intensity that last over an extended period of time and are extremely rare in nature as the normal annual precipitation is only eight inches.

The oils of this semi-arid area are of the Uinta Formation and Duchesne River Formation, (the Fluvial Sandstone and Mudstone) from the Eocene Epoch and Quaternary Epoch (gravel surfaces) and the visible geologic structure consists of light brownish-gray clays to sandy soils with poor gravels and shales and outcrops of rock (sandstone, mudstone, conglomerate, and shale).

Due to the low precipitation, climatic conditions, and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and in the lower elevations of the Uinta Basin. It consists of, as primary flora, areas of juniper, pinion pine, sagebrush, rabbitbrush, some grasses, and cacti, on the upper benches with cottonwoods, beach, willows, Russian olives, and grasses along the lower levels close to the wet areas and streams.

A cultural resource clearance will be required before any construction begins on Federal and Indian lands. However, historic and cultural resource work shall be undertaken only with the written consent of a private surface owner. If the private surface owner refuses entry for that purpose, the lessee or operator shall use its best efforts to conduct its approved operations in a manner that avoids adverse effects on any properties listed, or may be eligible for listing, in the NRHP.

If, during operations, any archaeological or historical sites, or any object of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites are to be suspended and the discovery reported promptly to the Surface Management Agency.

The dirt contractor will be provided with an approved copy of the Surface Use Plan from the APD.

The operator or his contractor shall contact the BLM Offices at 801-789-1362 between 24 and 48 hours prior to construction activities. Contact Byron Tolman.

The BLM and BIA Offices will be notified upon site completion prior to moving on the drilling rig.

All wellsite locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator, the lease number, the well name and number, and the survey description of the wellsite.

Drilling rigs and/or equipment used during drilling operations on the wellsite will not be stacked or stored on Ute Tribe Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

13. Lessee's or Operators Representative and Certification Representative

Name: Mike L. McMican
Address: 85 South 200 East
Vernal, UT 84078
Phone No.: 801-789-4573


All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and, that the work associated with the operations proposed here will be performed by Natural Gas Corporation of California and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

January 30, 1989
Date


Michael L. McMican, Petroleum Engineer

Onsite Date: 9-13-88

Participants on Joint Inspection:

Mike McMican - Natural Gas Corporation of California

Byron Tolman - BLM; Ferron Secakuku - BIA; Darren Cuch - Ute Tribe

1. Self-certification statement. Under the Federal regulations in effect as of June 15, 1988, designation of operator forms are no longer required when the operator is not the 100% record title holder. An operator is now required to submit a self-certification statement to the appropriate Bureau office stating that said operator has the right to operate upon the leasehold premises. Said notification may be in the following format:

Natural Gas Corp. of

"Please be advised that California is considered to be the operator of Well No. 21-30; NE 1/4 NW 1/4 Section 30, Township 8S, Range 22E; Lease U-9617; Uintah County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Pacific Indemnity.

AS OF 11/30/86

UNITED STATES DEPT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
BOND ABSTRACT

PAGE

BLM BOND NO: UT0133

PART NO:

SURETY BOND ID: 8101-04-97

CASE TYPE: 310433 036 BOND FD & ACQ LAND

NAME AND ADDRESS OF BONDED PARTIES885009793001 BONDED PRINCIPAL
NOC ENERGY CO
1400 FOUR EMBARCADERO CENTER
SAN FRANCISCO CA 94111-4114884001200001 SURETY
PACIFIC INDEMNITY COMPANY
15 MOUNTAIN VIEW ROAD
P O BOX 1815
WARREN NJ 07061-1815-----
BOND-AREA: NATIONWIDE

TYPE OF LAND: FEDERAL-PUBLIC/ACQUIRED

BOND TYPE: SURETY AMOUNT OF BOND: \$150,000

BONDED ACTIVITY/PURPOSE COMMODITY(IES)

GENERAL LSE/DRILLING OIL & GAS L
OPERATOR

ACTION CODE	ACTION DATE	ACTION TAKEN	ACTION REMARKS
468	8/04/1984	BOND FILED	
469	9/24/1984	BOND ACCEPTED	
470	8/03/1987	RIDER FILED	
479	8/03/1987	RIDER ACCEPTED	/A/
478	8/08/1988	RIDER FILED	
479	8/08/1988	RIDER ACCEPTED	/B/

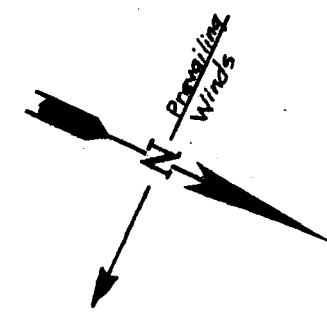
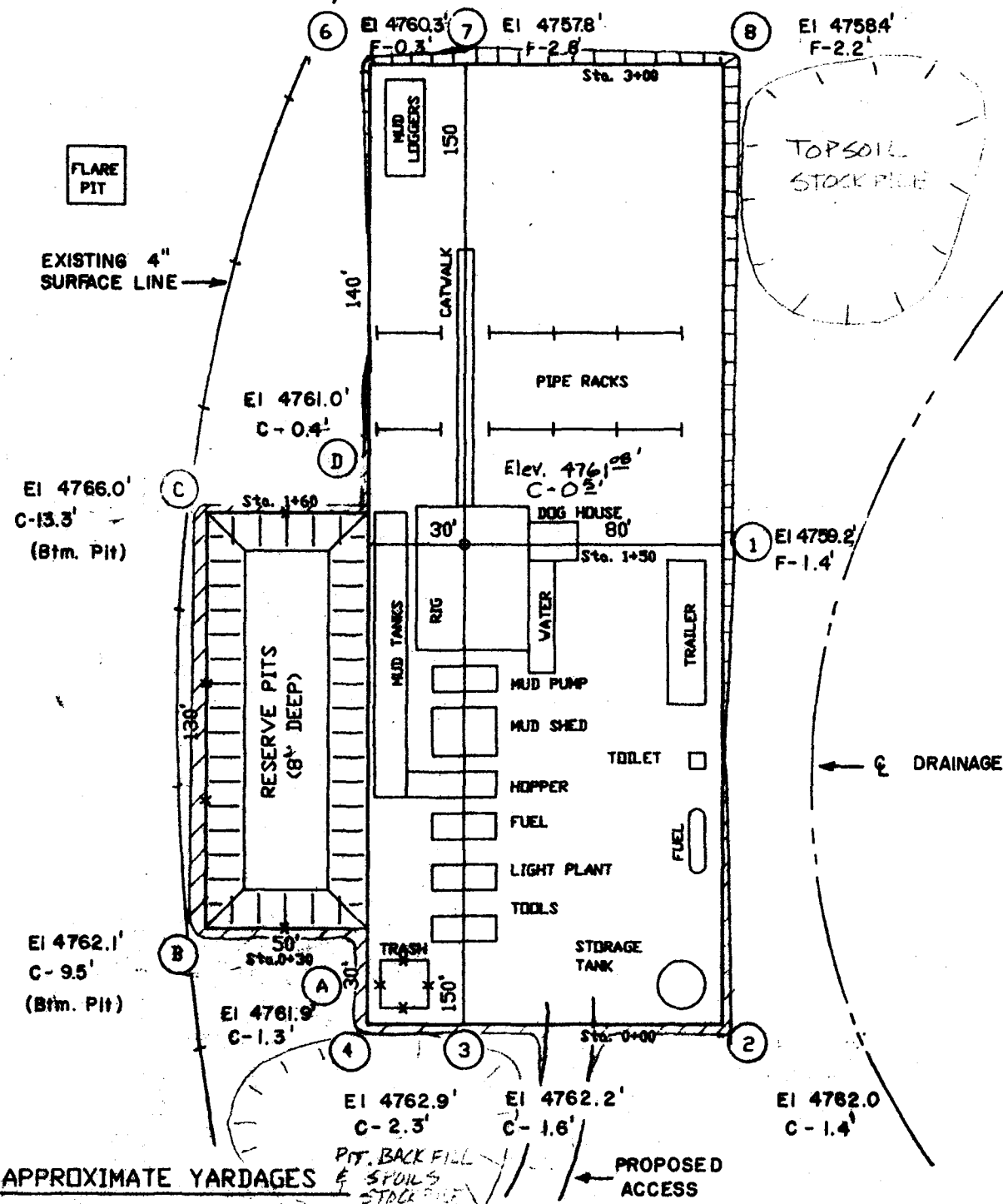
== GENERAL REMARKS ==

01	/A/	CHANGE NAME OF PRINCIPAL FROM PG&E GAS SUPPLY CO
02		TO NOC ENERGY CO AND ASSUMES LIABILITY OF BOND
03		NO 9853-61-32 (UT0013) WITH PACIFIC TRANSMISSION
04		SUPPLY CO AS PRINCIPAL
05	/B/	EXTEND BOND COVERAGE TO INCLUDE PRINCIPAL AS
06		OPERATOR

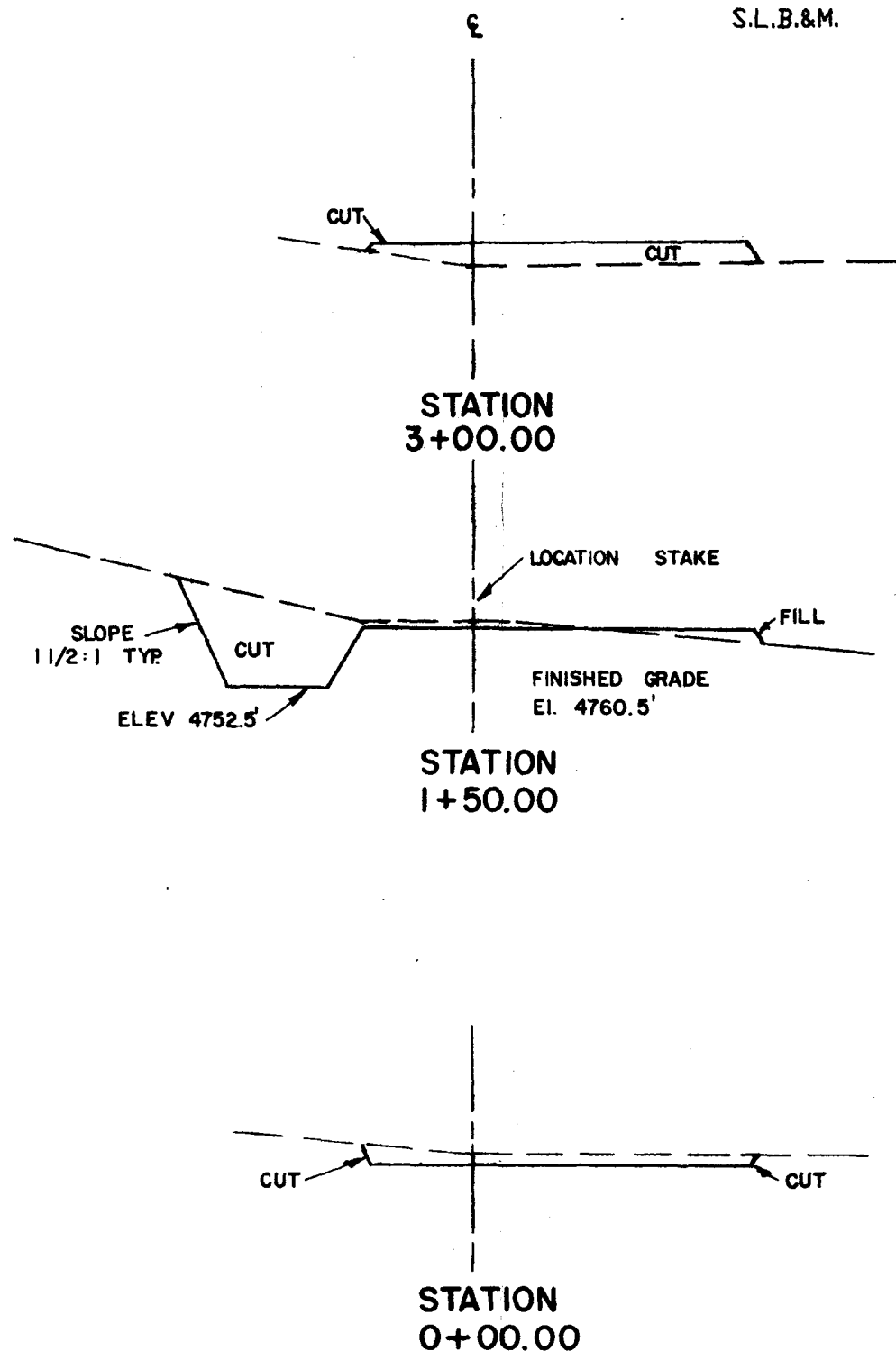
NATURAL GAS CORP. OF CALIFORNIA

LOCATION LAYOUT FOR

GLEN BENCH #21-30
SECTION 30, T8S, R22E,
S.L.B.&M.



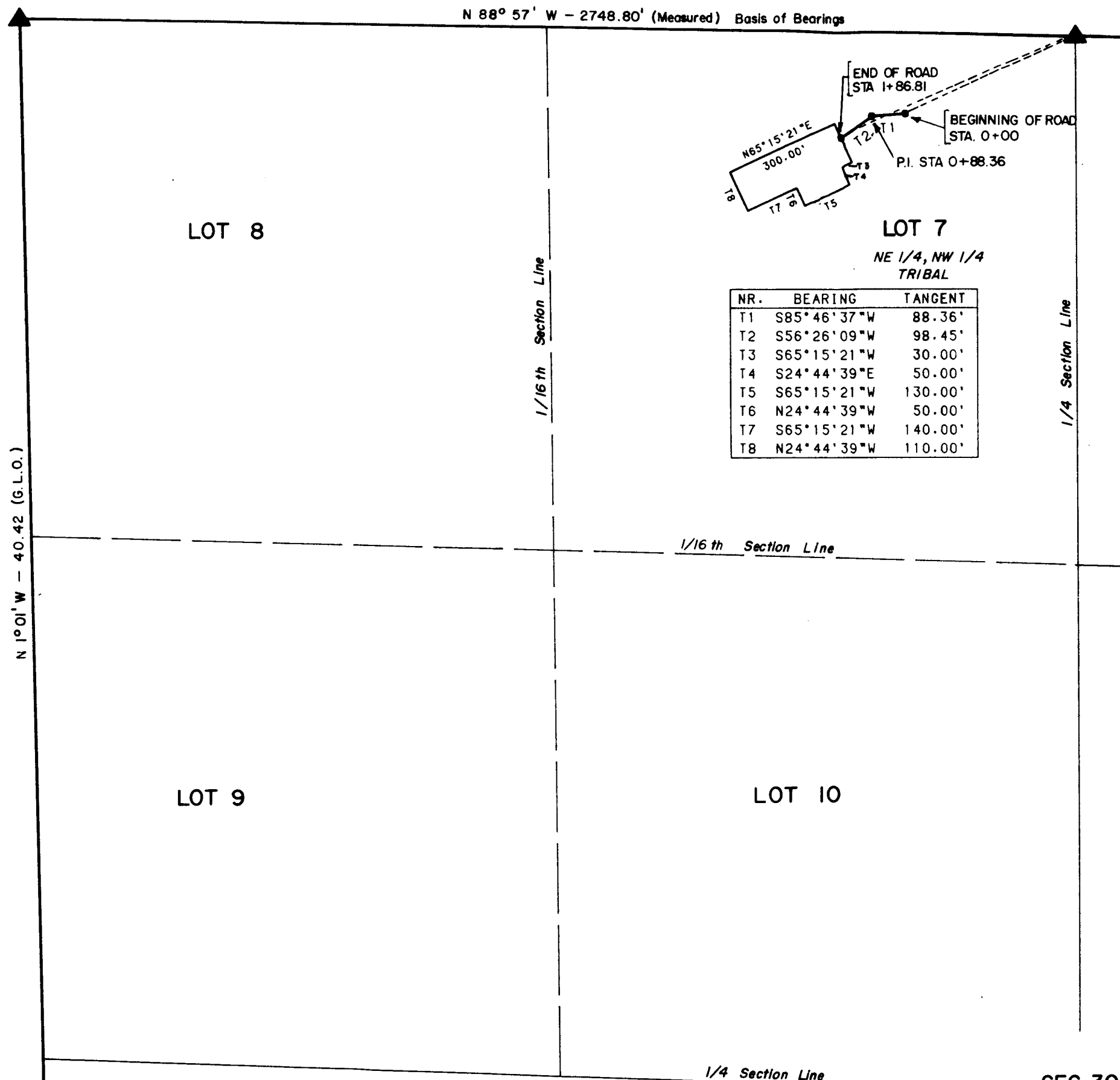
X-Section
Scale
1" = 50'



CUT		
(6") TOPSOIL STRIPPING = 731 CU. YDS.	EXCESS MATERIAL AFTER 20% COMPACTION	= 1901 CU. YDS.
PIT VOLUME (below grade) = 1328 CU. YDS.	TOPSOIL & PIT BACKFILL (1/2 PIT VOLUME)	= 1395 CU. YDS.
REMAINING LOCATION = 939 CU. YDS.	EXCESS UNBALANCE (AFTER REHABILITATION)	= 506 CU. YDS.
TOTAL CUT = 2996 CU. YDS.		
FILL = 876 CU. YDS.		

T 8 S, R 22 E, S.L.B.&M.

N 88° 57' W - 2748.80' (Measured) Basis of Bearings



NR.	BEARING	TANGENT
T1	S85°46'37"W	88.36'
T2	S56°26'09"W	98.45'
T3	S65°15'21"W	30.00'
T4	S24°44'39"E	50.00'
T5	S65°15'21"W	130.00'
T6	N24°44'39"W	50.00'
T7	S65°15'21"W	140.00'
T8	N24°44'39"W	110.00'

NGC ENERGY COMPANY

ROAD RIGHT OF WAY & DAMAGE AREA

ON

UTE TRIBAL LANDS

LOCATED IN

SECTION 30, T 8 S, R 22 E, S.L.B. & M.

UINTAH COUNTY, UTAH

NOTES:

- #1. END OF ROAD STA 1+86.81 BEARS S 66°43'11"W - 665.82' FROM THE N 1/4 CORNER SECTION 30, T8S, R 22 E, S.L.B. & M.
- #2. BEGINNING OF ROAD STA 0+00 BEARS S 65°23'20"W - 485.57' FROM THE N 1/4 CORNER SECTION 30, T8S, R 22 E, S.L.B. & M.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John J. Marshall

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX 1758 - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 300'	DATE 9-12-88
PARTY G.S.C.M. JTK	REFERENCE G.L.O.
WEATHER WARM	FILE NGC ENERGY CO.

▲ = SECTION CORNERS LOCATED

SEC. 30

NGC ENERGY COMPANY

PROPOSED LOCATION

TOPO.

MAP "A"

OURAY
36
WILDLIFE

NATIONAL
31
REFUGE

UINTAH AND OURAY INDIAN RESERVATION BOUNDARY

WONSITS WONSITS VALLEY OIL FIELD

WHITE RIVER
OIL AND GAS FIELD

Glen

PROPOSED LOCATION
GLEN BENCH # 21-30

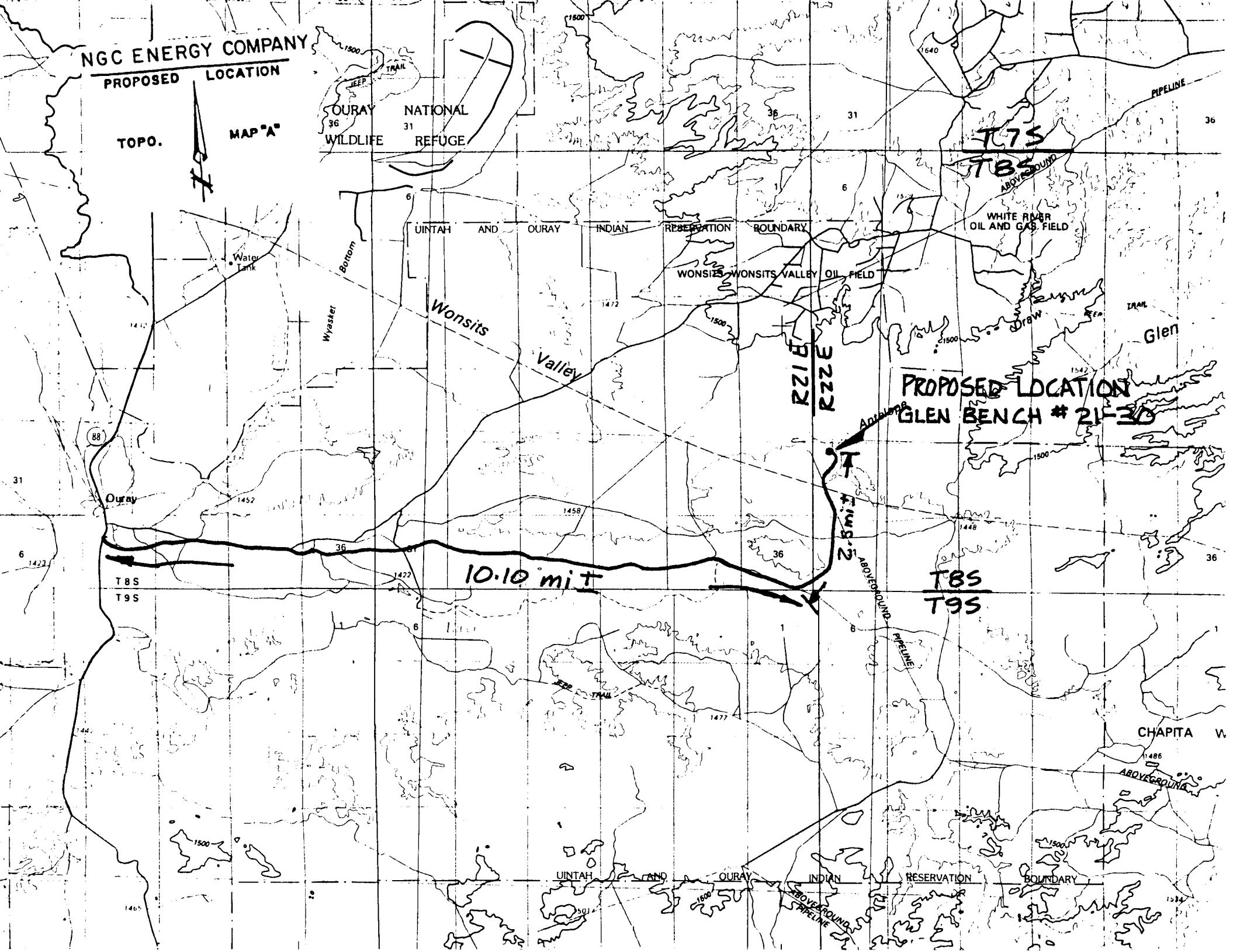
10.10 mi T

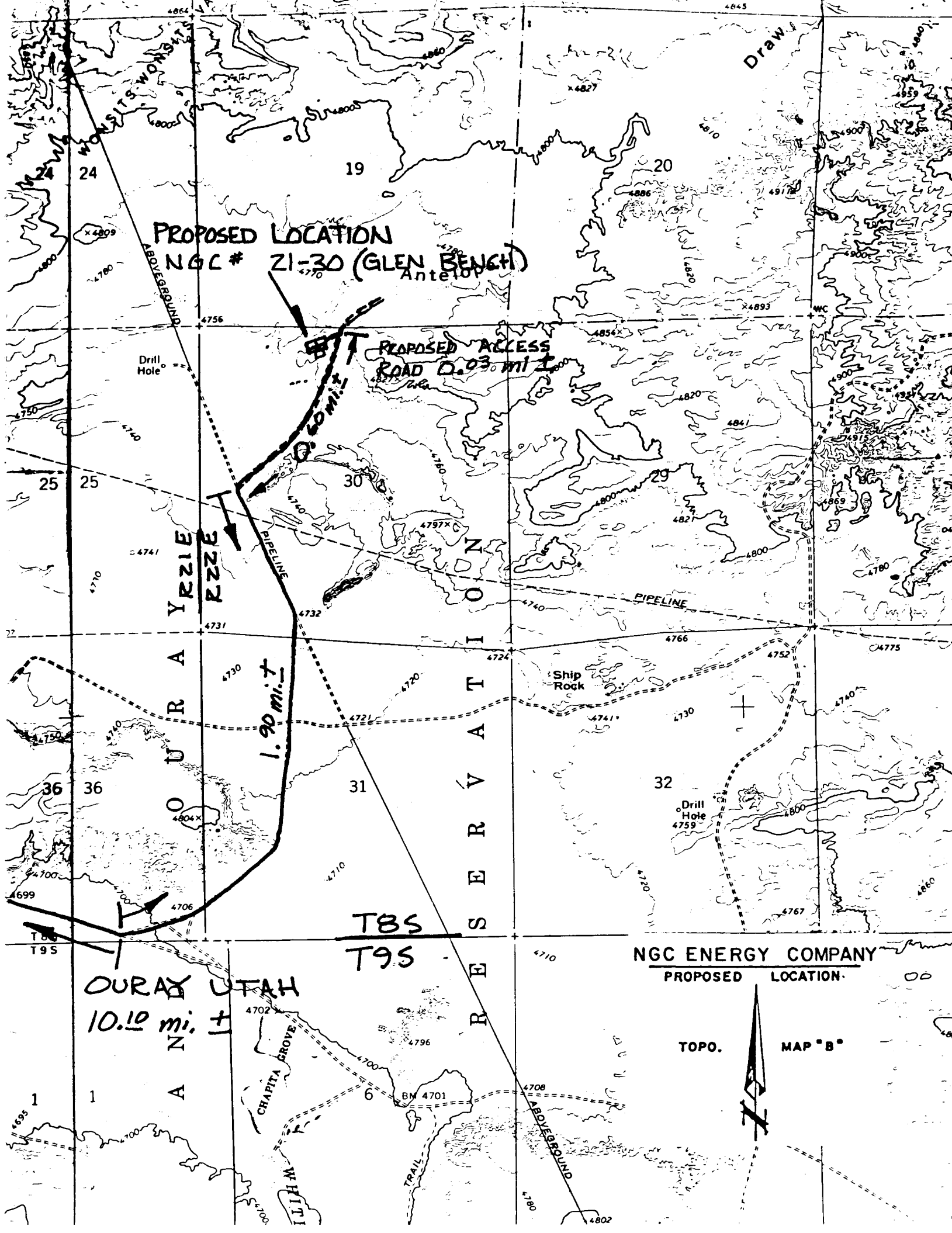
2.5 mi T

TBS
T9S

CHAPITA W.

UINTAH AND OURAY INDIAN RESERVATION BOUNDARY





OPERATOR NOVCO Natural Gas Corp. of CA DATE 2-3-89

WELL NAME Glen Bench Fed. 21-30

SEC NENW 30 T 8S R 22E COUNTY Uintah

43-047-31860
API NUMBER

Federal
TYPE OF LEASE

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST
WELL

☒ LEASE

☒ FIELD

☒ POTASH OR
OIL SHALE
9s 22E

PROCESSING COMMENTS:

No other well within 920'
Need water permit
Glen Bench Unit - Sec. 30 NE¹/₄ NE¹/₄ & NW¹/₄ NE¹/₄ (NE¹/₄ NW¹/₄ not included)
2-3-89 Requested "exception loc. request." Received 2-8-89.

APPROVAL LETTER:

SPACING: ☐ R615-2-3

UNIT

Does away with N¹/₂ Sec. 30.

☐ R615-3-2

☒

173-5 2-22-78
CAUSE NO. & DATE

☒ R615-3-3

STIPULATIONS:

1. Water Permit

*Natural Gas
Corporation of
California*

February 6, 1989

RECEIVED
FEB 08 1989

DIVISION OF
OIL, GAS & MINING

Dianne R. Nielson, Division Director
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Re: Request for Spacing Exception
Glen Bench #21-30
NE/NW Section 30, T8S, R22E
Lease U-9617, Uintah County, Utah

Dear Mrs. Nielson:

Natural Gas Corporation of California, as Operator on Lease U-9617, requests permission to locate the subject well 2011' FWL and 376' FNL in Section 30, T8S, R22E. This location is requested for geological reasons.

Our geologic mapping of the objective reservoir shows that moving the location to the south to conform with state spacing requirements would possibly have the well in a portion of the reservoir that would make the well uneconomical. Working interests in Section 19 to the north are the same as in Section 30 with Natural Gas Corporation of California at 66.67% and Raymond Chorney at 33.33%. Natural Gas Corporation of California is also the operator in both sections.

By copy of this letter, all owners affected by the spacing exception have been notified of this request. In the absence of any objections within 15 days, and with your concurrence, we ask that this matter be given administrative approval.

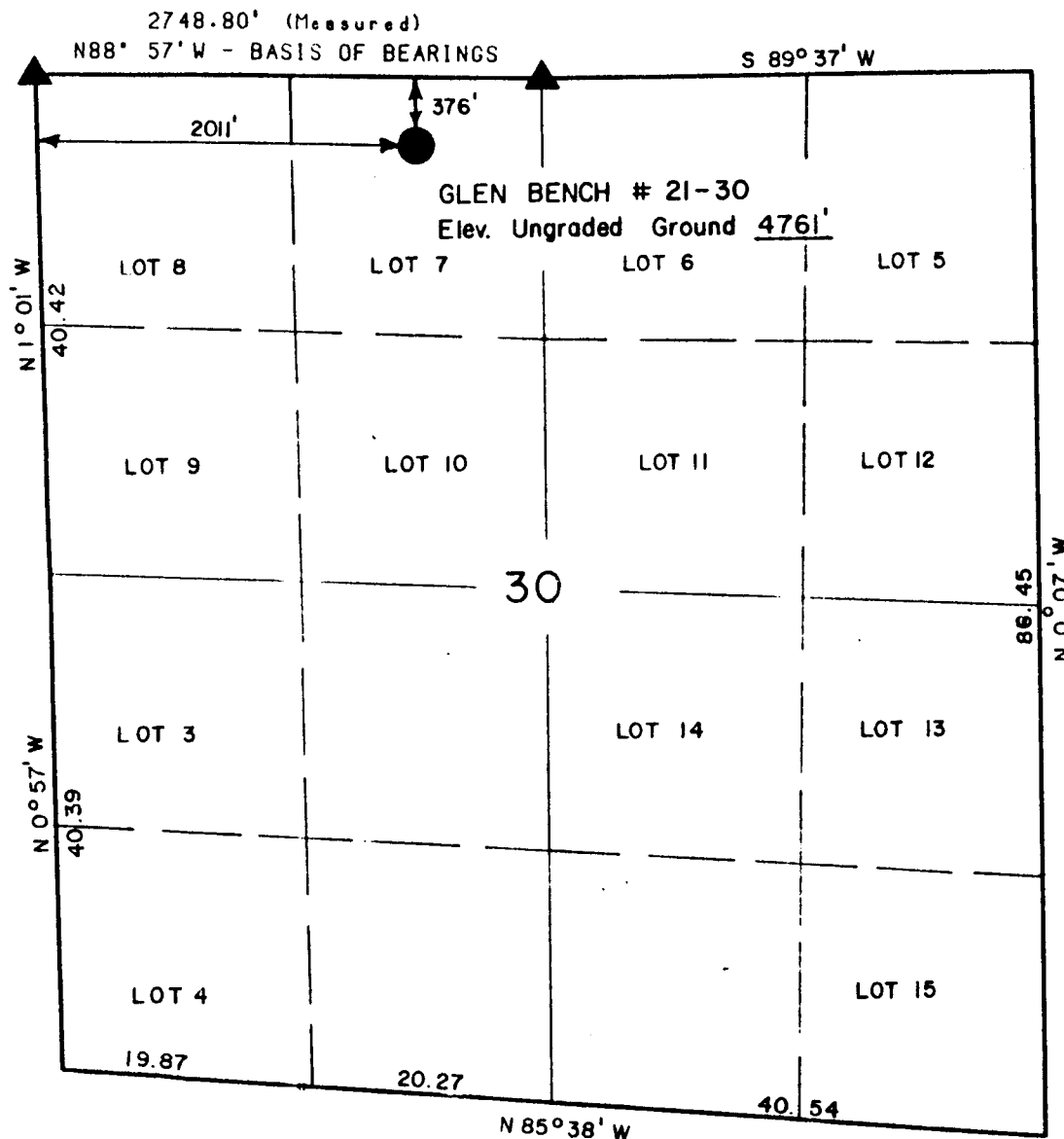
Sincerely,

Mike M. McMican

Michael L. McMican
Petroleum Engineer

cc: Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80203-3910

T8S, R22E, S.L.B.&M.



▲ = Section Corners Located

PROJECT

NGC ENERGY COMPANY

Well location, GLEN BENCH
#21-30, located as shown in the
NE1/4 NW1/4 of Section 30, T8S,
R22E, S.L.B.&M. Uintah County,
Utah.

BASIS OF ELEVATION

SPOT ELEVATION IN THE NW CORNER SECTION 30,
T8S, R22E, S.L.B.& M. TAKEN FROM THE REDWASH SW
QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE
QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED
STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL
SURVEY. SAID ELEVATION IS MARKED AS BEING
4756 FEET



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 9-10-88
PARTY G.S. C.M. J.T.K.	REFERENCES GLO
WEATHER HOT	FILE NGC ENERGY COMPANY

*Natural Gas
Corporation of
California*

February 9, 1989

RECEIVED
FEB 18 1989

DIVISION OF
OIL, GAS & MINING

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

~~Division of Oil, Gas & Mining~~
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Re: Application for Permit to Drill
Glen Bench #21-30
NE/NW Sec. 30, T8S, R22E
Uintah County, Utah

Gentlemen:

Attached are copies of NGC's "Self-certification statement" for the subject well. Please add these pages to your copies of the APD.

Sincerely,

✓
Karla Hanberg

Attachments



Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

February 23, 1989

Natural Gas Corporation of California
85 South 200 East
Vernal, Utah 84078

Gentlemen:

Re: Glen Bench 21-30 - NE NW Sec. 30, T. 8S, R. 22E - Uintah County, Utah
376' FNL, 2011' FWL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form OGC-8-X.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31860.

Sincerely,



R. J. Pirth
Associate Director, Oil & Gas

lr
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
WE14/1-2

Form 1541-1
(May 1967)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SHORT NOTE TRANSMITTAL

2-27-89

(Date)

TO : Byron Tolman
FROM : Mike Mc Mican - NGC 3rd.
SUBJECT: Cancellation of APD for well
21-30 Lease U-9617.

Mike called and explained that NGC
has decided not to drill the Glen
Bench 21-30 well (Lease U-9617, NENW
Sec. 30, T8S R22E). 43-047-172

They are apparently planning to sell their
interests in the Glen Bench Area.

Byron R. Tolman

Note: Return this form when action is completed or attach it to data requested



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangert
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

March 27, 1989

Natural Gas Corporation of California
85 South 200 East
Vernal, Utah 84078

Gentlemen:

Re: Glen Bench 21-30 Well, Rescission of Application for Permit to Drill,
Section 30, Township 8 South, Range 22 East, API No. 43-047-31860,
Uintah County, Utah

As a result of the Bureau of Land Management, Vernal District Office action of returning unapproved your Application for Permit to Drill the above referenced well, the approval to drill previously issued by the Division of Oil, Gas and Mining for this well is rescinded.

If any previously unreported operations have been performed on this well, it is imperative that you notify the Division immediately. A new Application for Permit to Drill must be filed with and approved by the Division prior to any future drilling at this location.

Sincerely,

Don T. Staley
Administrative Supervisor

TAS/tc

cc: D. R. Nielson
R. J. Firth
BLM-Vernal
Well file

WE17/102

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
on reverse side)

DATE
and re

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-9617

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Uintah and Ouray

7. UNIT AGREEMENT NAME

Glen Bench

8. FARM OR LEASE NAME

Federal

9. WELL NO.

21-30

10. FIELD AND POOL, OR WILDCAT

Glen Bench

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 30, T8S, R22E

12. COUNTY OR PARISH 13. STATE

Uintah

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Natural Gas Corporation of California

3. ADDRESS OF OPERATOR

85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with applicable regulations.)

See also space 17 below.)
At surface

2011' FWL, 376' FNL NE/NW

RECEIVED
JUN 09 1989

DIVISION OF

OIL, GAS & MINING

14. PERMIT NO.

43-047-31860

15. ELEVATIONS (Show whether on surface or at depth)

4760' GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Please be advised that Natural Gas Corporation of California respectfully requests that the "Application for Permit to Drill, Deepen, or Plug Back" submitted January 30, 1989, be withdrawn. All applicable right-of-way requests have been withdrawn.

Natural Gas Corporation of California will not be drilling this well in the near future. If you require additional information, please contact the Vernal office.

cc: Div. Oil, Gas & Mining; Bhill; SGoodrich

18. I hereby certify that the foregoing is true and correct

SIGNED

William A. Ryan

TITLE Petroleum Engineer

DATE June 6, 1989

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side